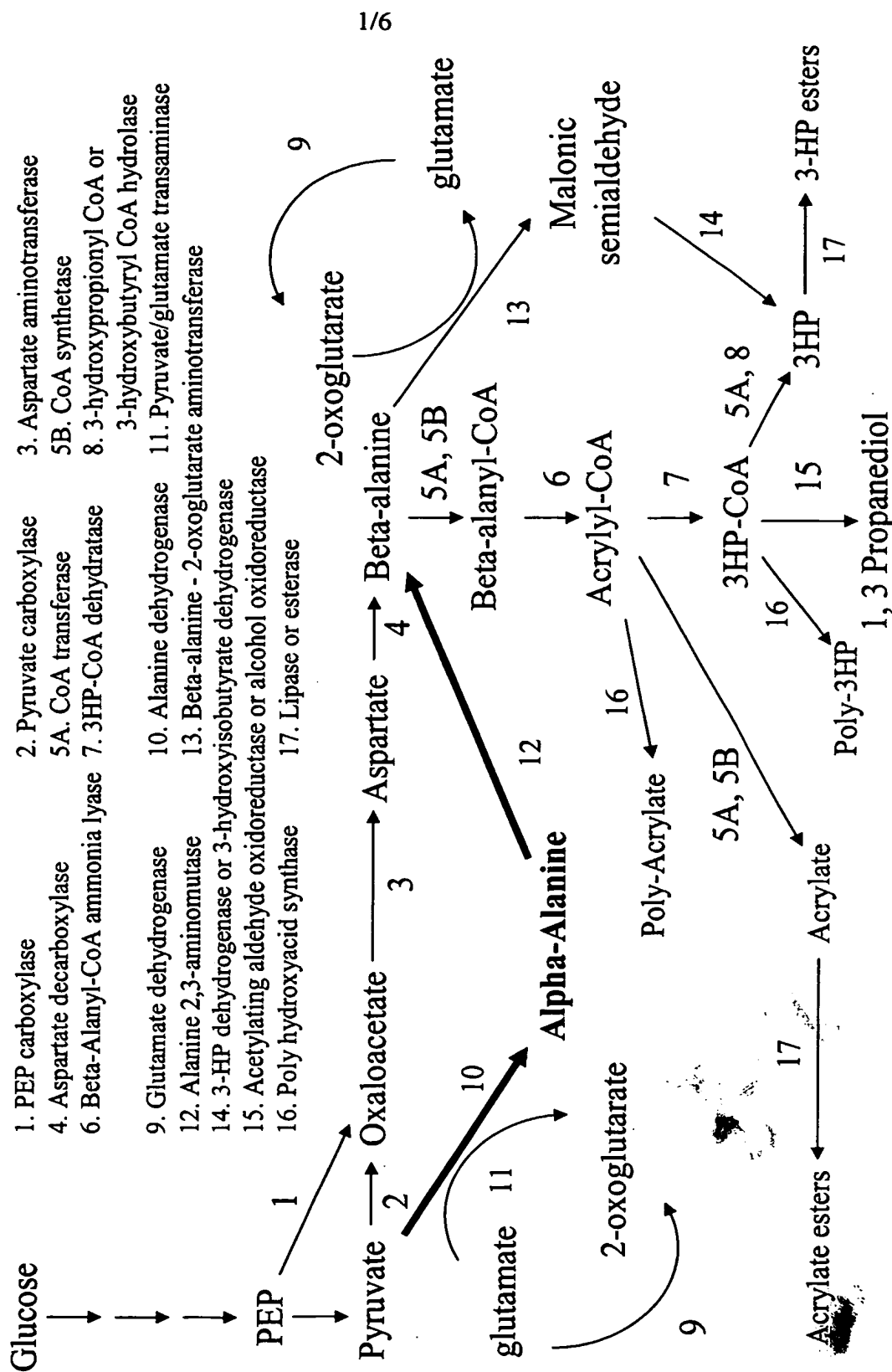
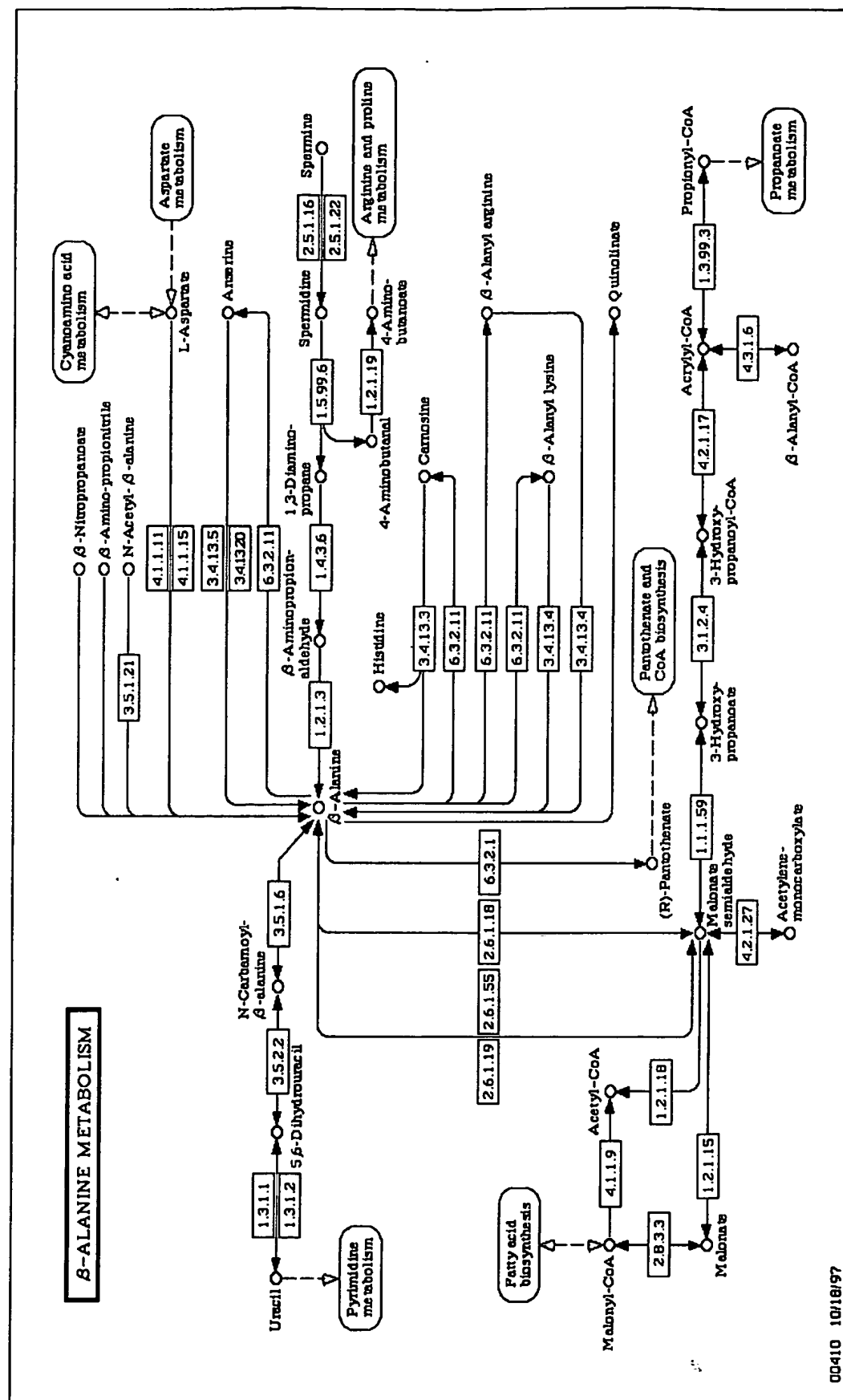


FIG. 1





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FIG. 4

| | | |
|--------|-----|---|
| BSKam | 1 | mknkwykpkrrhwkeielwkdvpeekwndwqlthtvtlddlkkvinlt |
| MUTANT | 1 | mknkwykpkrrhwkeielwkdvpeekwndwqlthtvtlddlkkvinlt |
| BSKam | 51 | edeeegvrisktktiplnitpyyaslmdpndprcpvrmqsvplseemhktk |
| MUTANT | 51 | edeeegvrisktktiplnitpyyaslmdpndprcpvrmqsvplseemhktk |
| BSKam | 101 | ydledplhededspvpglthrypdrvlflvtnqcs <u>smvcrvctrrrfsgqi</u> |
| MUTANT | 101 | ydmedplhededspvpglthrypdrvlflvtnqcs <u>svvcrvctrrrfsgqi</u> |
| BSKam | 151 | gmgvppkkqldaaiayiretpeirdclisggdgllindqileyilkelrsi |
| MUTANT | 151 | gmgvppkkqldaaiayiretpeirdclisggdgllindqileyilkelrsi |
| BSKam | 201 | phlevirigtrapvvfpqritdhlceilkkyhpvwlntfhntsiemtees |
| MUTANT | 201 | phlevirigtrapvvfpqritdhlceilkkyhpvwlntfhntsiemtees |
| BSKam | 251 | veaceklvnagvpvgnqavvlagindsvpimkklmhdlvkirvrpyyiyq |
| MUTANT | 251 | veaceklvnagvpvgnqavvlagindsvpimkklmhdlvkirvrpyyiyq |
| BSKam | 301 | cdlsegighfrapvskgleiiegrrghtsgyavptfvvdapggggkialq |
| MUTANT | 301 | cdlsegighfrapvskgleiiegrrghtsgyavptfvvhapggggkialq |
| BSKam | 351 | pnvlsqspdkvilrnfegvitsypepenyipnqadayfesvfpetadkk |
| MUTANT | 351 | pnvlsqspdkvilrnfegvitsypepenyipnqadayfesvfpetadkk |
| BSKam | 401 | epiglsaifadkevsftpenvdrikrrreayianpehetlkdrrrekrdqlk |
| MUTANT | 401 | epiglsaifadkevsftpenvdrikrrreayianpehetlkdrrrekrdqlk |
| BSKam | 451 | ekkflaqqkkqketecggdss |
| MUTANT | 451 | ekkflaqqkkqketecggdss |

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FIG. 5

| | | | | |
|-------|-----|------------------------------|---------------|----------------------------------|
| Pgkam | 1 | maesrrkyyfpdvtdeqwn | dwhwqvl | nrietldqlkkyvtltaeeeegvk |
| Pgaam | 1 | maesrrkyyfpdvtdeqwy | dwhwqvl | nrietldqlkkyvtltaeeeegvk |
| Pgkam | 51 | eslkvlrmaitpyylslidpenpncp | irkqaipth | qgelvrapedqvdp |
| Pgaam | 51 | espkvlrmaitpyylslidpenpncp | irkqaipth | qgelvrapedqvdp |
| Pgkam | 101 | ededspvp | glthrypdrvl | flitdkcsmycrhctrrrrfagqkdasspser |
| Pgaam | 101 | ededspvp | glthrypdrvl | flitdkcsmycrhctrrrrfagqkdasspser |
| Pgkam | 151 | idrcidyiantptvrdvllsggdallvs | derleyil | krleiphveivri |
| Pgaam | 151 | idrcidyiantptvrdvllsggdallvs | derleyil | krleiphveivri |
| Pgkam | 201 | gsrtpvvl | pqrtpqlvdm | lkkyhpvwl |
| Pgaam | 201 | gsrtpvvl | pqrtpqlvdm | lkkyhpvwl |
| Pgkam | 251 | nagiplgnqt | vllrgindcthvm | krlvhl |
| Pgaam | 251 | nagiplgnqt | vllrgindcthvm | krlvhl |
| Pgkam | 301 | hfrtpvskgieiienlr | ghtsgyavptf | vvdapgggkipvmpnyvvsqs |
| Pgaam | 301 | hfrtpvskgieiienlr | ghtsgyavptf | vvgapgggkipvtpnyvvsqs |
| Pgkam | 351 | prhvvlrnyegvittyt | epenyheecdced | cragkhkegvaalsggqqla |
| Pgaam | 351 | prhvvlrnyegvittyt | epenyheecdced | cragkhkegvaalsggqqla |
| Pgkam | 401 | iepsdlarkkrkfdkn | | |
| Pgaam | 401 | iepsdlarkkrkfdkn | | |

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FIG. 6

| | | |
|-------|-----|---|
| Pgkam | 1 | maesrrkyyfp-----dvtdeqwndwhwqvl nr ietldqlkkyv |
| Pgaam | 1 | maesrrkyyfp-----dvtdeqwydwhwqvl nr ietldqlkkyv |
| Bskam | 1 | ---mknkwykpk r h w k e i e l w k d v p e e k w n d w l w q l t h t v r t l d d l k k v i |
| Bsaam | 1 | ---mknkwykpk r h w k e i e l w k d v p e e k w n d w l w q l t h t v r t l d d l k k v i |
| Pgkam | 40 | tltaeeeeegvkesl kvl r maitpyy l s l i d p e n p n c p i r k q a i p t h q e l v |
| Pgaam | 40 | tltaeeeeegvkesp kvl r maitpyy l s l i d p e n p n c p i r k q a i p t q q e l v |
| Bskam | 48 | nlteeeeeegvr i s t k t i p l n i t p y y a s l m d p d n p r c p v r m q s v p l s e e m h |
| Bsaam | 48 | nlteeeeeegvr i s t k t i p l n i t p y y a s l m d p d n p r c p v r m q s v p l s e e m h |
| Pgkam | 90 | rapedqv d p l s e d e d s p v p g l t h r y p d r v l f l i t d k c s m y c r h c t r r r f a |
| Pgaam | 90 | rapedqv d p l s e d e d s p v p g l t h r y p d r v l f l i t d k c s m y c r h c t r r r f a |
| Bskam | 98 | ktkydledpl h e d e d s p v p g l t h r y p d r v l f l v t n q c s m y c r y c t r r r f s |
| Bsaam | 98 | ktkydmedpl h e d e d s p v p g l t h r y p d r v l f l v t n q c s v y c r y c t r r r f s |
| Pgkam | 140 | gqkdasspseridrcid y i a n t p t v r d v l l s g g d a l l v s d e r l e y i l k r l |
| Pgaam | 140 | gqkdasspseridrcid y i a n t p t v r d v l l s g g d a l l v s d e r l e y i l k r l |
| Bskam | 148 | gqigmgv p k k q l d a a i a y i r e t p e i r d c l i s g g d g l l i n d q i l e y i l k e l |
| Bsaam | 148 | gqigmgv p k k q l d a a i a y i r e t p e i r d c l i s g g d g l l i n d q i l e y i l k e l |
| Pgkam | 190 | reiphveivrigsrt p v v l p q r i t p q l v d m l k k y h p v w l n t h f n h p n e v t |
| Pgaam | 190 | reiphveivrigsrt p v v l p q r i t p q l v d m l k k y h p v w l n t h f n h p n e v t |
| Bskam | 198 | rsiphlevirigtrapv v f p q r i t d h l c e i l k k y h p v w l n t h f n t s i e m t |
| Bsaam | 198 | rsiphlevirigtrapv v f p q r i t d h l c e i l k k y h p v w l n t h f n t s i e m t |
| Pgkam | 240 | eeaveacermanagi p l g n q t v l l r g i n d c t h v m k r l v h l l v k m r v r p y y |
| Pgaam | 240 | eeaveacermanagi p l g n q t v l l r g i n d c t h v m k r l v h l l v k m r v r p y y |
| Bskam | 248 | eesveaceklv n a g v p v g n q a v v l a g i n d s v p i m k k l m h d l v k i r v r p y y |
| Bsaam | 248 | eesveaceklv n a g v p v g n q a v v l a g i n d s v p i m k k l m h d l v k i r v r p y y |
| Pgkam | 290 | iyvcdlslgighfrtpvskgiei i e n l r g h t s g y a v p t f v v d a p g g g g k i |
| Pgaam | 290 | iyvcdlslgighfrtpvskgiei i e n l r g h t s g y a v p t f v v g a p g g g g k i |
| Bskam | 298 | iyqcdlsegighfrapvskglei i e g l r g h t s g y a v p t f v v d a p g g g g k i |
| Bsaam | 298 | iyqcdlsegighfrapvskglei i e g l r g h t s g y a v p t f v v h a p g g g g k i |
| Pgkam | 340 | pvm p n y v v s q s p r h v l r n y e g v i t t y t e p e n y -----h e e d c e d c r |
| Pgaam | 340 | pvt p n y v v s q s p r h v l r n y e g v i t t y t e p e n y -----h e e d c e d c r |
| Bskam | 348 | alqpnyvlsqspdkvilrnfegvitsypepeny i p n q a d a y f e s v f p e t a |
| Bsaam | 348 | alqpnyvlsqspdkvilrnfegvitsypepeny i p n q a d a y f e s v f p e t a |
| Pgkam | 383 | agkhkegvaalsggqqlaiepsdlar----- |
| Pgaam | 383 | agkhkegvaalsggqqlaiepsdlar----- |
| Bskam | 398 | dkkepiglsaifadkev s f t p e n v d r i k r r e a y i a n p e h e t l k d r r e k r d |
| Bsaam | 398 | dkkepiglsaifadkev s f t p e n v d r i k r r e a y i a n p e h e t l k d r r e k r d |
| Pgkam | 409 | --kkrkf-----dkn |
| Pgaam | 409 | --kkrkf-----dkn |
| Bskam | 448 | qlkekkflaqkkqketecggdss |
| Bsaam | 448 | qlkekkflaqkkqketecggdss |